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Basic Physics Practical Book - Dr. S. Rajalakshmi & Dr. N. Sundaramurthy

BASIC PHYSICS PRACTICAL BOOK

First Edition

Dr. S. Rajalakshmi
Dr. N. Sundaramurthy



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Basic Physics Practical Book

First Edition

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Preface

Physics practical work involves 'learning by doing'. It clarifies concepts and lays the seed for enquiry. Physics deals with the study of matter and energy associated with the inanimate as well as the animate world. Although all branches of science require experimentation, controlled laboratory experiments are of central importance in physics. The basic purpose of laboratory experiments in physics, in general, is to verify and validate the concepts, principles and hypotheses related to the physical phenomena.. Many activities as well as project work will therefore ensure that the learners are able to construct and reconstruct their ideas on the basis of first hand experiences through investigation in the laboratory.

This book is about experimental physics and it is intended for undergraduate physics and circuit branch engineering students, but it does not describe a systematic course of experiments, nor is it a handbook of experimental techniques. Instead, it sets out to demonstrate a certain outlook or approach to experimental work. It is intended as a companion to a general course of practical work. My aim is to make the student more critical of what he does and more aware of what can be done, and in this way to make the course more interesting and meaningful.

Dr. S. Rajalakshmi

Dr.N. Sundaramurthy

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